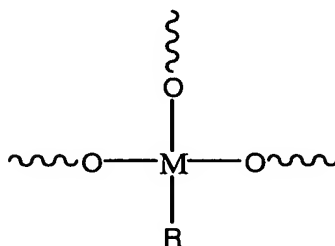


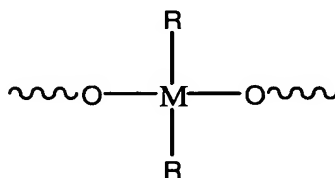
COMPOUND FOR OPTICAL MATERIALS AND METHODS OF FABRICATION

ABSTRACT:

[0057] A polycyclic or monocyclic perfluorovinyl compound comprising at least one structural unit selected from the group consisting of formula I and formula II



I



II

wherein M is independently at each occurrence a metal selected from group 14 of the periodic table of the elements; and R is independently at each occurrence a bond, a hydrogen, an aliphatic group, a cycloaliphatic group, or an aromatic group. The polycyclic or monocyclic compound comprises at least two perfluorovinyl groups. A method for making an optical film of the disclosed compound, an electro-optical device comprising a polymer fabricated from the disclosed compound and a polymer fabricated from the disclosed compound are also provided.